

FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
GTI-1512SERIAL NO.  
10/658,691**LIST OF PRIOR ART CITED BY APPLICANT**  
(Use several sheets if necessary)APPLICANT(S)  
Kevin J. KAYSER et al.FILING DATE  
09 September 2003

GROUP

**U.S. PATENT DOCUMENTS**

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**OTHER PRIOR ART** (Including Author, Title, Date, Pertinent Pages, Etc.)

OK	AR		Ouchiyaama, Naoki et al., "Cloning and Nucleotide Sequence of Carbazole Catabolic Genes from <i>Pseudomonas stutzeri</i> strain OM1, Isolated from Activated Sludge", <i>J. Gen. Appl. Microbiol.</i> , <b>44</b> , 57-63 (1998)
	AS		
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EXAMINER

Katherine Koser

DATE CONSIDERED 6/18/04

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	AR	Shepherd, J. M. et al., "Novel Carbazole Degradation Genes of <i>Sphingomonas</i> CB3: Sequence Analysis, Transcription, and Molecular Ecology", <i>Biochemical and Biophysical Research Communications</i> , <b>247</b> , 129-135 (1998)					
RK	AS	Nojiri, H. et al., "Diverse Oxygenations Catalyzed by Carbazole 1,9a-Dioxygenase from <i>Pseudomonas</i> sp. Strain CA10", <i>Journal of Bacteriology</i> , Vol. 181, No. 10, pp. 3105-3113, (May 1999)					
	AT	Nojiri, H. et al., "Organization and Transcriptional Characterization of Catechol Degradation Genes Involved in Carbazole Degradation by <i>Pseudomonas resinovorans</i> Strain CA10", <i>Biosci. Biotechnol. Biochem.</i> , <b>66</b> (4), 897-901 (2002)					
EXAMINER <i>Norman Koser</i>				DATE CONSIDERED 6/18/04			
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	AR	Kilmura, K. et al., "Selective and Continuous Degradation of Carbazole Contained in Petroleum Oil by Resting Cells of <i>Sphingomonas</i> sp. CDH-7", <i>Biosci. Biotechnol. Biochem.</i> , <b>63</b> (9), 1563-1566 (1999)					
OK	AS	Habe, H. et al., "Sphingomonas sp. Strain KA1, Carrying a Carbazole Dioxygenase Gene Homologue, Degrades Chlorinated Dibenzo-p-dioxins in Soil", <i>FEMS Microbiology Letters</i> , <b>211</b> 43-49 (2002)					
OK	AT	Sato, S. et al., "Identification and Characterization of Genes Encoding Carbazole 1,9a-Dioxygenase in <i>Pseudomonas</i> sp. Strain CA10", <i>Journal of Bacteriology</i> , Vol. 179, No. 15, pp. 4850-4858, (August 1997)					
EXAMINER <i>Rosanne Yoon</i>					DATE CONSIDERED 6/18/04		
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RL	AR		Shotbolt-Brown, J. et al., "Isolation and Description of Carbazole-Degrading Bacteria", <i>Can. J. Microbiol.</i> , 42 79-82 (1996)
RL	AS		Schneider, J. et al., "Biodegradation of Carbazole by <i>Ralstonia</i> sp. RJGII.123 Isolated From a Hydrocarbon Contaminated Soil", <i>Can. J. Microbiol.</i> , 46 269-277 (2000)
RL	AT		Ouchiya, N. et al., "Biodegradation of Carbazole by <i>Pseudomonas</i> spp. CA06 and CA10", <i>Biosci. Biotech. Biochem.</i> , 57 (3), 455-460 (1993)

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*Assume Koss*

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QX	AR		Hisatsuka, K. et al., "Microbial Transformation of Carbazole to Anthranilic Acid by <i>Pseudomonas stutzeri</i> ", <i>Biosci. Biotech. Biochem.</i> , 58 (1), 213-214 (1994)
QX	AS		Shao, Z. Q. et al., "Cloning and Expression of the s-Triazine Hydrolase Gene ( <i>trzA</i> ) from <i>Rhodococcus corallinus</i> and Development of <i>Rhodococcus</i> Recombinant Strains Capable of Dealkylating and Dechlorinating the Herbicide Atrazine", <i>Journal of Bacteriology</i> , Vol. 177, No. 20, pp. 5748-5755 (October 1995)
	AT		Loh, K. et al., "Kinetics of Carbazole Degradation by <i>Pseudomonas putida</i> in Presence of Sodium Salicylate", <i>Wat. Res.</i> , Vol. 34, No. 17, pp. 4131-4138 (2000)

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Kosame Kassar

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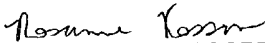
  

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RX	AR	Trott, S. et al., "Cloning and Heterologous Expression of an Enantioselective Amidase from <i>Rhodococcus erythropolis</i> Strain MP50", <i>Applied and Environmental Microbiology</i> , Vol. 68, No. 7, pp. 3279-3286 (July 2002)
RX	AS	Grosser, R. J. et al., "Indigenous and Enhanced Mineralization of Pyrene, Benzo[a]pyrene, and Carbazole in Soils", <i>Applied and Environmental Microbiology</i> , Vol. 57, No. 12, pp. 3462-3469 (December 1991)
RX	AT	Lasa, I. Et al., "Development of <i>Thermus</i> - <i>Escherichia</i> Shuttle Vectors and Their Use for Expression of the <i>Clostridium thermocellum</i> celA Gene in <i>Thermus thermophilus</i> ", <i>Journal of Bacteriology</i> , Vol. 174, No. 20, pp. 6424-6431 (October 1992)

EXAMINER <span style="float: right;">Rosanne Tassner</span>	DATE CONSIDERED 6/18/04
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RR	AR	Aronstein, B. N. et al., "Biological and Integrated Chemical-Biological Treatment of PCB Congeners in Soil/Sediment-Containing Systems", <i>J. Chem. Tech. Biotechnol.</i> , <b>63</b> , 321-328 (1995)					
RR	AS	Kilbane II, J. J. et al., "Selective Removal of Nitrogen from Quinoline and Petroleum by <i>Pseudomonas ayucida</i> IG9m", <i>Applied Environmental Microbiology</i> , Vol. 66, No. 2, pp. 688-693 (February 2000)					
RR	AT	Nojiri, H. et al., "Genetic Characterization and Evolutionary Implications of a <i>car</i> Gene Cluster in the Carbazole Degradar <i>Pseudomonas</i> sp. Strain CA10", <i>Journal of Bacteriology</i> , Vol. 183, No. 12, pp. 3663-3679 (June 2001)					
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RK	AR		Kayser, K. J. et al., "Utilization of Organosulphur Compounds by Axenic and Mixed Cultures of <i>Rhodococcus rhodochrous</i> IGTS8", <i>Journal of General Microbiology</i> , <b>139</b> , 3123-3129 (1993)				
RK	AS		Watson, G. K. et al., "Microbial Metabolism of the Pyridine Ring - Metabolic Pathways of Pyridine Biodegradation by Soil Bacteria", <i>Biochem. J.</i> , <b>146</b> , 157-172 (1975)				
RK	AT		Furukawa, K. et al., "Cloning of a Gene Cluster Encoding Biphenyl and Chlorobiphenyl Degradation in <i>Pseudomonas pseudoalcaligenes</i> ", <i>Journal of Bacteriology</i> , Vol. 166, No. 2, pp. 392-398 (May 1986)				
EXAMINER <i>Florance L...</i>				DATE CONSIDERED 6/18/64			
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	AR	<del>Ellis, L. B. M. et al., "The University of Minnesota Biocatalysis/Biodegradation-Degradation: Emphasizing Enzymes",          Nucleic Acids Research, Vol. 29, No. 1, pp. 340-343, (2001)</del>					
	AS	<del>Maidak, B. L. et al., "The RDP-II (Ribosomal Database Project)", Nucleic Acids Research, Vol. 29, No. 1, pp. 173-174          (2001)</del>					
RV	AT	Reese, M. G. et al., "Large Scale Sequencing Specific Neural Networks for Promoter and Splice Site Recognition", Pacific Symposium on Biocomputing, pp. 737-738, (January 3-6, 1996)					
EXAMINER <i>Alvina Koon</i>				DATE CONSIDERED 6/18/04			
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